

Use Attainability Analysis

for

WBID 1690 Tributary to Browns Branch

Submitted by

Missouri Department of Natural Resources Staff

To

Missouri Department of Natural Resources  
Water Protection Program

**Field Data Sheets for Recreational Use Stream Surveys**

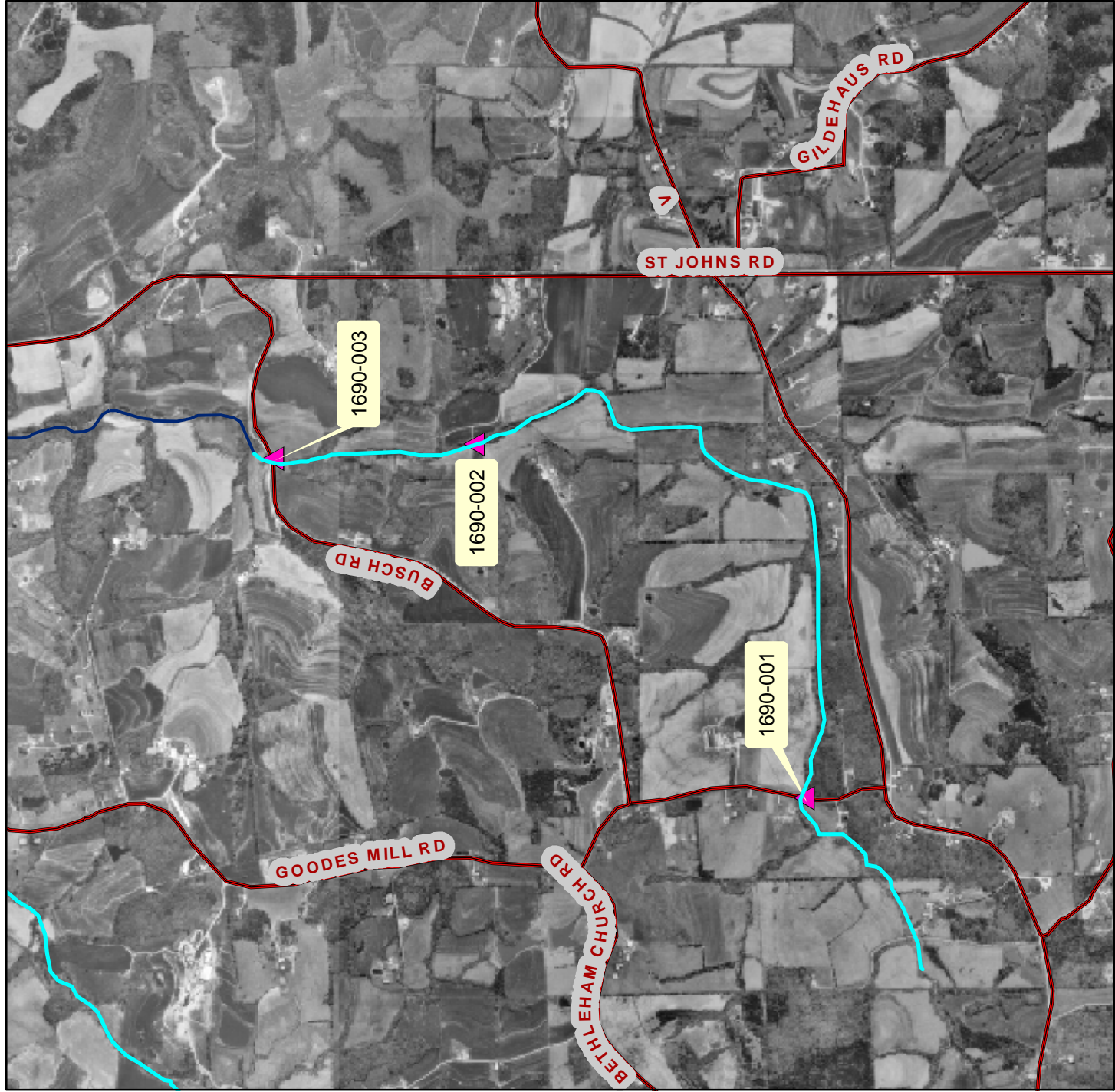
**Data Sheet A - Water Body Identification**

Water Body Name: (from USGS 7.5' quad)	<i>Trib to Browne Branch</i>
8-digit HUC:	<i>1030000</i>
Missouri WBID #:	<i>1690</i>
County:	<i>Franklin</i>
Upstream Legal Description:	
Downstream Legal Description:	
Upstream Coordinates: (UGS 84, ddd dddd)	<i>001 90.96670 / 38.48288</i>
Downstream Coordinates: (UGS 84, ddd dddd)	<i>003 90.95101 / 38.50148</i>
Discharger Facility Name(s):	
Discharger Permit Number(s):	
Number of Sites Evaluated:	<i>2</i>
Name of Surveyor and Telephone Number:	<i>Mary Clark 573-526-1002</i>
Organization:	<i>MONK</i>
Position:	<i>ESU</i>

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: *Mary Clark* Date: *6-17-05*

Trib to Browns Branch (C) #1690 Franklin County



## Legend

— Roads

— Classified Waterbodies

0 0.2 0.4 0.8 Miles

## Field Data Sheets for Recreational Use Stream Surveys

### Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: <u>1690-001</u>		Site Location Description:	
Site GPS Coordinates: <u>90.96670/38.44288</u>		<u>Goode's Mill rd Bridge over Brown Cr.</u>	
Date & Time: <u>6-15-05 2:15</u>		Facility Name:	
Personnel: <u>MM</u>		Permit Number:	
Current Weather Conditions: <u>Sunny/pt cl</u>		Weather Conditions for Past 7 days: <u>rained in last 7 days</u>	
Photo Ids: Upstream: <u>359</u>	Downstream: <u>360</u>	Other:	

#### Uses Observed\*:

<input type="checkbox"/> Swimming	<input type="checkbox"/> Skin diving	<input type="checkbox"/> SCUBA diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Boating	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input type="checkbox"/> Hunting	<input type="checkbox"/> Trapping	<input type="checkbox"/> Fishing	<input checked="" type="checkbox"/> None of the above	<input type="checkbox"/> Other:
Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)				

#### Surrounding Conditions\*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

<input type="checkbox"/> City/county parks	<input type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input type="checkbox"/> No trespass sign	<input type="checkbox"/> Fence	<input type="checkbox"/> Steep slopes	<input checked="" type="checkbox"/> Other <u>farm - pasture &amp; woods</u>	

#### Evidence of Human Use\*:

<input checked="" type="checkbox"/> Roads	<input type="checkbox"/> Foot paths/prints	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV / ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping Sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPDES Discharge	<input type="checkbox"/> Fishing Tackle
<input type="checkbox"/> Other:				

**Site Locations Map(s):** Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

\*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

**Stream Morphology:**

**Upstream View Physical Dimensions:**

<input checked="" type="checkbox"/> Riffle	Width (ft): <u>1</u>	Length (ft): <u>25</u>	Avg. Depth (ft): <u>&lt; 0.1</u>	Max. Depth (ft): <u>0.1</u>
<input type="checkbox"/> Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Pool	Width (ft): <u>8</u>	Length (ft): <u>25</u>	Avg. Depth (ft): <u>0.5</u>	Max. Depth (ft): <u>0.6</u>
<input type="checkbox"/> Flow	Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Estimated (ft <sup>3</sup> /sec): <u>wet ~ 0.15 ft<sup>3</sup>/sec</u>		

**Downstream View Physical Dimensions:**

<input checked="" type="checkbox"/> Riffle	Width (ft): <u>1</u>	Length (ft): <u>5</u>	Avg. Depth (ft): <u>&lt; 0.1</u>	Max. Depth (ft): <u>&gt; 0.1</u>
<input checked="" type="checkbox"/> Run	Width (ft): <u>8</u>	Length (ft): <u>50</u>	Avg. Depth (ft): <u>≤ 0.2</u>	Max. Depth (ft): <u>≥ 0.2</u>
<input type="checkbox"/> Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Flow	Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Estimated (ft <sup>3</sup> /sec):		

**Substrate\*:** (These values should add up to 100%.)

<u>100%</u> Cobble	<u>45</u> % Gravel	% Sand	% Silt	<u>10</u> % Mud/Clay	% Bedrock
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**Aquatic Vegetation\*:** (note amount of vegetation or algal growth at the assessment site)

<u>10% covered w/ algae, brown clow growing under bridge</u>
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**Water Characteristics\*:** (Mark all that apply.)

Odor:	<input type="checkbox"/> Sewage	<input type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:
Color:	<input checked="" type="checkbox"/> Clear	<input type="checkbox"/> Green	<input type="checkbox"/> Gray	<input type="checkbox"/> Milky	<input type="checkbox"/> Other:
Bottom Deposit:	<input type="checkbox"/> Sludge	<input type="checkbox"/> Solids	<input checked="" type="checkbox"/> Fine sediments	<input type="checkbox"/> None	<input type="checkbox"/> Other:
Surface Deposit:	<input type="checkbox"/> Oil	<input type="checkbox"/> Scum	<input type="checkbox"/> Foam	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:

**Comments:** Please attach additional comments (including information from interviews) to this form.

\*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use.

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate. Estimated based on my observations.

Signed: May Clark Date: 6-15-05

Organization: MONR Position: EST

1690\_001



## Field Data Sheets for Recreational Use Stream Surveys

### Data Sheet B - Site Characterization (A separate data sheet must be completed for each site)

Missouri WBID #: <u>1690-003</u>		Site Location Description: <u>Bush rd. Bridge over</u>	
Site GPS Coordinates: <u>90.95101/38.50148</u>		<u>trib to Brown's Branch</u>	
Date & Time: <u>6-15-05</u>		Facility Name:	
Personnel: <u>Mary Clark</u>		Permit Number:	
Current Weather Conditions:		Weather Conditions for Past 7 days: <u>yes rained in past 7 days</u>	
Photo Ids: Upstream: <u>357</u>	Downstream: <u>358</u>	Other:	

#### Uses Observed\*:

<input type="checkbox"/> Swimming	<input type="checkbox"/> Skin diving	<input type="checkbox"/> SCUBA diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Boating	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input type="checkbox"/> Hunting	<input type="checkbox"/> Trapping	<input type="checkbox"/> Fishing	<input checked="" type="checkbox"/> None of the above	<input type="checkbox"/> Other:

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

#### Surrounding Conditions\*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

<input type="checkbox"/> City/county parks	<input type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input type="checkbox"/> No trespass sign	<input type="checkbox"/> Fence	<input type="checkbox"/> Steep slopes	<input checked="" type="checkbox"/> Other: <u>forming a all sides of corn &amp; bean fields + pastures</u>	

#### Evidence of Human Use\*:

<input checked="" type="checkbox"/> Roads	<input type="checkbox"/> Foot paths/prints	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV / ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping Sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPDES Discharge	<input type="checkbox"/> Fishing Tackle
<input type="checkbox"/> Other:				

**Site Locations Map(s):** Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

\*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

**Stream Morphology:**

**Upstream View Physical Dimensions:**

<input checked="" type="checkbox"/> Riffle	Width (ft): <u>10</u>	Length (ft): <u>20</u>	Avg. Depth (ft): <u>0.1</u>	Max. Depth (ft): <u>0.15</u>
<input type="checkbox"/> Run	Width (ft): <u>18</u>	Length (ft): <u>30</u>	Avg. Depth (ft): <u>0.33</u>	Max. Depth (ft): <u>0.5</u>
<input checked="" type="checkbox"/> Pool	Width (ft): <u>15</u>	Length (ft): <u>15</u>	Avg. Depth (ft): <u>0.33</u>	Max. Depth (ft): <u>0.5</u>
<input type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Estimated ( $\text{ft}^3/\text{sec}$ ): <u>vel in riffle &gt; 1 ft/sec</u>	

**Downstream View Physical Dimensions:**

<input checked="" type="checkbox"/> Riffle	Width (ft): <u>15</u>	Length (ft): <u>25</u>	Avg. Depth (ft): <u>0.2</u>	Max. Depth (ft): <u>0.25</u>
<input type="checkbox"/> Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Pool	Width (ft): <u>12</u>	Length (ft): <u>20</u>	Avg. Depth (ft): <u>0.8</u>	Max. Depth (ft): <u>1.5</u>
<input type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Estimated ( $\text{ft}^3/\text{sec}$ ):	

**Substrate\*:** (These values should add up to 100%.)

<u>40</u> % Cobble	<u>40</u> % Gravel	% Sand	% Silt	<u>20</u> % Mud/Clay	% Bedrock
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**Aquatic Vegetation\*:** (note amount of vegetation or algal growth at the assessment site)

<u>70% algae cover - close growing.</u>
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**Water Characteristics\*:** (Mark all that apply.)

Odor:	<input type="checkbox"/> Sewage	<input type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:
Color: <u>pretty</u>	<input checked="" type="checkbox"/> Clear	<input type="checkbox"/> Green	<input type="checkbox"/> Gray	<input type="checkbox"/> Milky	<input type="checkbox"/> Other:
Bottom Deposit:	<input type="checkbox"/> Sludge	<input type="checkbox"/> Solids	<input checked="" type="checkbox"/> Fine sediments	<input type="checkbox"/> None	<input checked="" type="checkbox"/> Other: <u>rust FeO<sub>2</sub></u>
Surface Deposit:	<input type="checkbox"/> Oil	<input type="checkbox"/> Scum	<input type="checkbox"/> Foam	<input type="checkbox"/> None	<input checked="" type="checkbox"/> Other: <u>algae in</u>

**Comments:** Please attach additional comments (including information from interviews) to this form.

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I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate. estimated based on my observations.

Signed: Mon Clark Date: 6-15-05

Organization: MONK Position: ESIT

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